No.



200100032

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

NASH Research Joundation

MUCCUS. THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE PASSIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, ONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT OPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR IT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN STATES SEED OF THIS VARIETY (I) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT.

SOYBEAN

'Barnes'

In Testimon Merrer, I have hereunto set my hand and caused the seal of the Hant Bariety Frotestian Office to be affixed at the City of Washington, D.C. this tenth day of September, in the year two thousand and four.

Autosi:

Commissioner

Plant Variety Protection Office Agricultural Marketing Service tary of Agriculture

p.3 🕠

May 07 04 02:56p NDSU RF TECH TRANSFER 701-231-6661

EPRODUCE LOCALLY. Include	form number and date on	all reproduction	ıs ·			Form Approved - Char	, R No. Acos one
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE			The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (1974) of 1995.				
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and Information collection burden statement on reverse)			SIGN STATEMENT WITH (1.10A) OF 1830				
1. NAME OF OWNER	,		<u> </u>	2. TEMPORARY DESIGNA EXPERIMENTAL NAME	TION OR	3, VARIETY NAME	
NDSU Research Found	lation			ND95-931		Barnes	
4. ADDRESS (Street and No., or FLF,D, No.	., City, State, and ZIP Code, and Coun	l(y)	7 10-14-1-1-1	5. TELEPHONE (include an	es code)	FOR DETICIAL V	SE ONISE P
c/o Executive Direc	tor			701-231-8931	2		7
PO Box 5014 500 2(B7		,		5. FAX (include area code)		So Con HOURS AND AND	
Fargo, ND 58105- 501	45002 (BT:6/24/2004)	,		666	4	FILING DATE	_
7. IF THE OWNER NAMED IS NOT A "PERS	SON". GIVE FORM OF	a IF INCORPORA		701-231- 1013 (,,	
7. IF THE OWNER NAMED IS NOT A TPERS ORGANIZATION (corporation, partnership		STATE OF INCO	PRATION	9. DATE OF INCORPORAT	IDN (2 tober 19/2	<i>100</i> 0
NDSU Research Found		North Da		May 1989			
Theodore C. Helms	•	s application <i>, (fir</i> s Da	t <i>person listed will re</i> le Zetocha	ngoive all papars) 3	1	FILING AND EXAL	иоптаміь
Dept. of Plant Scie North Dakota State				ch Foundation		.2,405,00	
Farge, ND 58105-505.		Fu Fai	:#20x 2014 20. ND 58	5002 (87:6/24/200 3105- 50145<i>00</i>2 (6	04) B		
			J-,		2004)	DATE 10/19	/ 2000
						CERTIFICATION F	
	•					5 700.	/
					\$	DATE 7//	2/04
1. TELEPHONE (Include area code)	12. FAX (Include area code)	13. E-MA	•		14. CROP KI	ND (Communication)	/
701-231-8136	701-231-8474	ted.	helms@nds	su.nodak.edu	soybe	aan .	
 CHECK APPROPRIATE BOX FOR FACH (1892) 	ATTACHMENT SUBMITTED (Fishiow)	nstructions on	19. BOES THE O	WNER SPECIFY THAT SEED	OF THIS VARIE	TY BE DOLD AS A CLA	VIS OF
a. X Exhibit A. Origin and Dreeding	History of the Variety		CTP.	SEED7 - See Section 83(a) o 8 (If 'yes', answer Herns 20	,	ty Frotestian Act) O (ll "na," go la ilem 22)	,
b. 🔀 Exhibit B. Statement of Distinct	nnns :			and 21 bolo-)	***		
c 🔯 Exhibit C. Objective Description			VARIETY HE	WNER SPECIFY THAT SEED LIMITED AS TO NUMBER OF	OF THIS CLASSES?	X YES	ם א
d. Exhibit D. Additional Description			IF YES, WHIC	CLASSES? X FOUNDA	ATRON 🔀 RE	сыятеньэ 🔀 сен	TIPIED
e. X !_xhibit E. Statement of the Basi	nirealed seeds on fortidad amounts	- 4	21. DOES THE O	WNER SPECIFY THAT THE C	ARRET RE	-	K
verification that tissue culture will repository)	I he depositied and manietized in an a	pproved public	LIMITED AS TO NUMBER OF GENERATIONS? YES NO				
p. 🔀 Filing and Exercinetion Foo (\$2,) States" (Moli to the Plant Variety	705), made payable to "Treazurer of th Protection Office)	e United	IF YES, SPEC NUMBER 1, 2	HTYTHE FOUNDAT	NOI	EGISTERFD	CERTIFIED
	,		(If additional =	xplanation is nota-scary, please	use the spage (indicated on the reverse	ė.)
FIAS THE VARIETY (INCLUDING ANY HAI FROM THIS VARIETY BEEN SOLD, DISPO	RVESTED MATERIAL) OR A HYBRID DSED OF, THANSFERRED, OR USER	PRODUCED	23. IS THE VARIE	TY OR ANY COMPONENT OF SCHI (PLANT BREEDFR'S RE	THE VARIETY	PROTECTED DV NYC	
LA LA		3. 3. 3.	☐ YES		CHI ORFAIFN	1)?	
15 VES AUTHOR, BROADE DAG SEA, SE SEEL ST. MO			IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)				
FOR EACH COUNTRY AND THE CIRCUM	ISTANCES. (Please uso space indice	luq ou tenerau')	ALLEKCHOE I	NOMBER. <i>(Ріваза иле урасе і</i> і	ndicated on neve	rse.)	
The swings decising that a viable sample of total a tunor propagated variety a lissue culture.	basic seed of the variety will be lumish to will be deposited in a public reposit	red with application ar ory and maintained for	nd will be reulenishe I the dutalism of the	d upon request in accordance o	with such regulat	lions as may be applica	ble, or
The undersigned owner(6) Is[are) the owner and is entitled to protection under the proye	of this sexually reproduced or tubor plans of Section 42 of the Plant Variety	ropagated plant variet Protection Act	ly, and holieve(s) the	al the variety is new, distinct, ur	ಚೆಂಗಾ, ಊರ ಚಟರಿ!	e as required in Section	142,
Owner(s) is(are) informed that false rappese	ntation herain çan jeopardiza protoctio	if and result in penalti	DE.		•	_	
ENATURE OF OWNER			SIGNATURE OF O	WNER			
Dale Betoch	م	Į					
ME (Please print or typ=)			NAME (<i>Pleaso</i> рал	if or type)	<u> </u>		
Dale Zetocha							
ACITY OR TITLE	DATE		CAPACITY OR TIT			DATE	
Recutive Direc	stor 5/6	104			•		
70 (2-99) designed by the Plant Variety From	ichen Office with WordPeded C.Co., H	COlumns S D-470 /e-1	officachieb ce at a day	***************************************	A1 mm + 1 1.1.	<u> </u>	

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Complete application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sens (\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant V face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the arc of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively,
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as comple as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVi
- after the variety has been sold and so tabeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
 - U.S.A. release date January 18, 2000

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Pioneer Hi-Bred InternationalInc. 9061 USA Date of Inssue February 28, 1986 Reference No. 8500144

PYP

9AD-11/11/00

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.136(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 2 Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to everage 30 minutes por response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including sugger collections to be partment of Agriculture, Colorance Officer, ORM, AG Box 7530, Jamie L. Written Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number to the property of the persons are maximally in a collection of information when it infections and in the collection of the persons are maximally in a collection of information when it infections are first or infections.

letter. Under the PFA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, soc, religion, age, disability, political beliefs, and marital or familial status.

prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braile, large print, audiciaire, etc.) should contact the USDA Office Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDO).

an equal opportunity employer.

S&T-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0s. Replaces ST0-470 (03-96) which is obsolete.

200 100 032

Exhibit A

Origin and Breeding History of the Variety Barnes

Barnes, tested as ND no., 95-931, was derived from the cross ND88-800/Pioneer 9061, made in 1993. ND88-800 is an experimental line developed by North Dakota State University, Fargo, ND88-800 is 'Maple Amber' X 'Evans' (bt 5/4/2004 per applicant's authorization). ND that was never released as a named cultivar. Pioncer 9061 is a cultivar that was available commercially and developed by Pioneer Hi-Bred International, Inc., Des Moines, Iowa. The cross was made in the summer of 1993 at Fargo, ND. The F₁ plant was grown in the 1993-1994 Chile, S.A. winter nursery. The F₂ seed was grown in the summer of 1994 and advanced to the F₃ generation by the single-pod bulk method. The F₃ population was grown in the 1994-1995 winter nursery. F_{3:4} plant-rows were selected in 1995. ND95-931 was first tested in replicated yield trials in 1996. Barnes was evaluated in the Uniform Regional Tests: Northern States as a Maturity Group 0 experimental line in 1998 and 1999. Individual $F_{3:8}$ plants were threshed in 1997 and 32 single plant selections were evaluated for uniformity in the summer of 1998 at Casselton, ND. Two purification rows were discarded and the remaining 30 rows were individually harvested and bulked after evaluation of hilum color, plant maturity, flower color, plant height, pubescence color, seed coat luster and color, and pod color. Breeder seed of ND95-931 was increased in the 1998-1999 Chile winter nursery. In the summer of 1999 the Foundation seed of ND95-931 was increased at Casselton and Carrington, ND. Barnes was released January 18, 2000 as an F_{tt} generation pure line soybean cultivar. Variants that include up to: 0.5% yellow hila, 0.2% black hila, 0.2% gray hila, 0.2% tawny pubescence color, 0.2% white flower color and 0.2% tan pod color are considered within normal variation for the cultivar Barnes. Barnes has been observed to be uniform stable for a period of three years. for characteristics described within the application (per applicant's authorization expressed on 5/7/2004 14).

Exhibit B

Novelty Statement

- 1. Barnes was developed primarily for increased yield, phytophthora root rot resistance and suitable maturity for North Dakota. Barnes is morphologically different from both parents. However, Barnes' is most similar to Pioneer 9061. (5/7/2004 bt per applicant's authorization).
- 2. Pioneer 9061 has purple flower color, grey pubescence, brown pods, yellow hila color and an indeterminate growth habit. Barnes has purple flower color, grey pubescence, brown pods, dull seed coat luster, buff hila, and an indeterminate growth habit.

REPRODUCE LOCALLY. Include form number and date on all reproductions.

Form Approved - OMB No. 8581-8855

According to the Properties Reduction Act of 1995, an agency may not conduct or spansor, and a person is not required to respond to a confection of information unless to displays a valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection of information to acting the time for reviewing instructions, test/ofling conting data sources, gathering and maintaining the data necessary, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, culor, national origin, gender, religion, age, disability, political heliefs, sexual origination, and marital or family status. [Not all prohibited bases apply to all programs.] Persons with disabilities who require atternative means for communication of program information (Braille targe print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room \$26-W, Whitten Building, 14th and Independence Avenue, 5W, Washington, DC 2025(19410 or call (202) 720-5964 (voice and TDD). USDA is an equal community provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705 EXHIBIT C (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY SOYBEAN (Glycine max (L.) Merr.)

NAME OF APPLICANTIS)				FOR OPPICIAL USE ONLY
NDSU Research				,
	F.D. No., City, State, and ZIP Code)			200 100 0 3 2
PO Box 5014				VARIETY NAME
Faryo, ND 5810	5-5014			Panag
•				TEMPORARY OR EXPERIMENTAL
				DESIGNATION
				ND95-931
PLEASE READ ALL IN below.	STRUCTIONS CAREFULLY: Place	e the appropriate number	that describes the var	ictal character of this variety in the boxes
Place a zero in the first t	oox (e.g 9 9 9 or	0 9) when numl	oer is either 99 or less c	or 9 or less respectively. Data for
quantitative plant chara	cters should be based on a minimum	of 100 plants. Comparat	tive data should be det	ermined from varieties entered in the same
	al Suciety or any recognized color st		•	
Please answer all question	ns for your variety; lack of response	may delay progress of yo	ur application.	
A. MORPHOLOGY				
Seed Shape:	•	•		
1 = Sph- (L/W, L	erical /T, and T/W ratios < 1.2)	2 = Spheric (L/W ratio	al-Flattened > 1.2; L/T ratio <	< 1.2)
3 = Elon (L/T rati	gate o > 1.2; T/W ratio < 1.2)	4 = Elongat (L/T ratio >	e-Flattened > 1.2;T/W ratio >	1.2)
Seed Coat Color:				
-				
1 = Yello	ów 2 = Green	3 = Brown	4 = Black	5 = Other (Please Specify)
Seed Coat Luster:	•			
1 = Dull	2 = Shiny			
Seed Size:		,		•
	s/100 seeds			
Hilum Color:		•	•	
1 = Buff 6 = Blac		3 = Brown e Specify)	4 = Gray	5 = Imperfect Black

A. MORPHOLOGY (Continued)

Cotyledon Color:

1 = Yellow 2 = Green

Seed Protein Peroxidase Activity:

1 = Low2 = High

Hypocotyl Color:

できる情報の概要を必要を対する

2 = Green with Bronze 1 = Green ('Evans' or 'Davis') Bands below Cotyledon ('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons ('Beeson' or 'Pickett 71') 4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or 'Hampton 266A')

Lcaf Shape:

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please Specify)

Flower Color:

1 = White

2 = Purple '

3 = White with a Purple Throat

Ped Color:

2 1 - Tan

2 = Brown

3 = Black

Pubescence Color:

I = Gray

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

1 = Determinate

2 = Semi - Determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

1 - 000 $6 = \Pi$

11 - VIII

7 = IV

12 = IX

s = v

13 = X

9 = VI

5 -- X 10 - VII

14 - XI

15 = XXX

Maturity Subgroup:

Please enter a value from 0 - 9

B. DISEASE REACTIONS

0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

Bacterial

Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)

Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)

Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

ŀ	U	race 1	υ	race 8	0	race 15	0	race 22
ŀ	0	гасе 2	٥	гасе 9	0	гасе 16	0	race 23
Ĺ	2	race 3	٥	race 10	0	race 17	0	race 24
[[2	race 4	0	race 11	0	race 18	2	race 25
-	0	race 5	0	гасе 12	0	race 19	0	race 26
	_0	race 6	0	race 13	0	race 20	0	Other (Please Specify)

0	Bud Bligh	t (Tobacco Rin	gspot Virus)
---	-----------	----------------	--------------

を ある のとれて になる のない ない

Yellow Mosaic (Bean Yellow Mosaic Virus)

,	·			•	
D. INSECT	REACTIONS	0 = Not Tested	I = Susceptible	2 = Resistant	3 = Tolerant
0 Mex	ticau Bean Beetle (<i>Epilae)</i>	ana varivestis Mulsant)	•		
0 Pota	to Leuf Hopper (<i>Empoas</i>	ca fabae (Harris))			
O Othe	er (Please Specify)			,	
E. HERBIC	LIDE REACTIONS	0 = Not Tested	1 = Susceptible	2 = Resistant	,
0 Met	ribuzin	*.			
· 0 Bent	azonc				
0 Sulfo	onylurca	,			
1 Glyp	hosate		•	•	•
0 Glufe	osinate '				
0 Pend	imetha <u>lin</u>	•			
0 Other	(Please Specify)			·	,
F. TRANSG	ENIC COMPOSITION	•		1	· · ·
If yes, please of	al of genetic material fro	ricty included the insertion in the application variety? formation requests*. Use		 	other than a soybean, YES X NO
3. Please des	cribe the genetic materia	l successfully transferred i	nto the subject varie	ty:	
4. Please des	cribe the insertion proto	eol:		,	
* A literatur the "Trans	e citation(s) explaining t genic Composition" port	he four information reque ion of this form.	sts above may be an :	acceptable altern:	ative to completion of
G. BIOCHEN	IICAL MARKERS			,	
Please describe (e.g. Simple Se pages if necess:	arv.	ation herc, which you beli tion Fragment Length Poly ata will be provide	ymorphisms, Isozymi	further describit e Characterizatio	ng the subject variety on). Use additional

May 07 04 02:58p

NDSU RF TECH TRANSFER

701-231-6661 P-200 100 0 3 2

II. COMMENTS

a somethy became the ways being the construction

REPRODUCE LOCALLY. Include form number and date on all reproductions.	The following statements are made	FORM APPROVED - OMB NO. 0581-009 is in accordance with the Privacy Act
AGRICULTURAL MARKETING SERVICE EXHIBIT E	Againstion is required in order to	owork Reduction Act (PRA) of 1995
STATEMENT OF THE BASIS OF OWNERSHIP	certificate is to be issued (7 U.S.C. until certificate is issued (7 U.S.C.	. 2421). Information is held confident
1. NAME OF APPLICANTISA	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
NDSU Research Foundation	ND95-931	Barnes
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) c/o Executive Director	5. TELEPHONE (include area code)	6. FAX (include area code)
P.O. Box 5014 Fargo, ND 58105-5014	701-231-8931 7. PVPO NUMBER	701-231-1013
Faigo, No. 30103-3014		0 0 0 3 2
3. Does the applicant own all rights to the variety? Mark an "X" in appropriate	block. If no, please explain.	XX YES NO
	·	
	<u> </u>	
. Is the applicant (individual or company) a U.S. national or U.S. based compa	ny?	₩ □••
If no, give name of country		XX YESNO
a. If original rights to variety were owned by individual(s), is (are) YES NO If no, give name of country b. If original rights to variety were owned by a company, is the o		
YES NO If no, give name of country		
1. Additional explanation on ownership (If needed, use reverse for extra space		
See additional Exhibit E Statement of the Basis included with this application.	of the Applicant's Owr	nership
	•	
EASE NOTE:		
int variety protection can be afforded only to owners (not licensees) who meet		and a second of pations
If the rights to the variety are owned by the original breeder, that person must of a country which affords similar protection to nationals of the U.S. for the s	st be a U.S. national, national of a same genus and species.	UPOV member country, or reactive
If the rights to the variety are owned by the company which employed the or nationals of a UPOV member country, or owned by nationals of a country with genus and species.	iginal breeder(s), the company mushich affords similar protection to na	at be U.S. based, owned by attionals of the U.S. for the same
If the applicant is an owner who is not the original owner, both the original ov		
e original breeder/owner may be the individual or company who directed final to definition.	· ·	
ecording to the Paperwork Reduction Act of 1995, no persons are required to notrol number. The valid OMB control number for this information collection election is estimated to average 10 minutes per response, including the time.	respond to a collection of information is 0581-0055. The time requirements of the collections of the collection of the collecti	ation unless it displays a valid OM uired to complete this information ng existing data sources, gatherin

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer. STD-470-E (02-97) (Destroy previous editions)

and maintaining the data needed, and completing and reviewing the collection of information.

Exhibit E

Statement of the basis of applicant's ownership

Dr. Theodore Helms, an employee of the North Dakota Agricultural Experiment Station and North Dakota State University, is the plant breeder who developed 'BARNES', the soybean cultivar for which Plant Variety Protection in hereby sought. The employee by agreement and because of the conditions of the use of the facilities and funds of the North Dakota Agricultural Experiment Station and North Dakota State University has assigned all ownership rights to 'BARNES' soybean to the North Dakota Agricultural Experiment Station and North Dakota State University.

North Dakota State University on behalf of the North Dakota Agricultural Experiment Station has assigned ownership to the NDSU Research Foundation. The NDSU Research Foundation is a nonprofit corporation set up to own and manage the intellectual property of North Dakota State University.